



PATIENT

Jack Montano

PRESENTING CLINICAL SIGNS

Jack is a 7 Y MC Havanese who presented for fever, lump on neck. O notes discovered lump on side of neck on Monday. P went to rDVM and suspect abscess. Abx given to p. O notes lump growing and worsening. P placed on IVF and gave abx. 2 days ago VOD did a biopsy, explore and drain placement in swelling on neck. Since then swelling has gotten significantly worse. Abnormal PE/Chem/CBC/UA Results: Total Protein 5.1 Albumin 1.9

SPECIES

Canine

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD, NECK, THORAX, & ABDOMEN

BREED

Havanese

Plain and post contrast studies available for review. Study is right/left flipped.

COMPUTED TOMOGRAPHIC FINDINGS

Head & Neck

SEX

The patient has a history of “abscess” drainage in the left ventral neck.

MN

A Penrose drain is seen in the soft tissues of the left ventral neck with severe circumferential and regional soft tissue swelling with fat stranding and heterogeneous contrast enhancement, which extends into the left retropharyngeal area.

AGE

7 Years

Severe left sided medial retropharyngeal and submandibular lymphadenomegaly with heterogeneous enhancement accentuating the periphery of the lymph nodes is seen.

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

Evidence of foreign material or a separate cavitory lesion is not identified.

Areas of increased contrast enhancement are seen in the epaxial musculature of the neck. See images below.

HOSPITAL NAME

Animal Emergency
Hospital Volusia

The lobes of the thyroid gland are seen and present within normal limits.

The left cervical and axillary lymph nodes are mildly enlarged.

Thorax

REFERRING VET

Van Nieuwal

Heavy motion related streak artifacts interfere with the assessment of the thoracic and abdominal cavities.

The bony and surrounding soft tissue structures are within normal limits.

INVOICE

54245

The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern are uniform and considered within normal limits.

The cardiovascular structures including the pulmonary vasculature are within normal limits.

DATE

9-26-22

The bronchial tree presents with regular branching and tapers uniformly towards the periphery as expected, the bronchial walls are thin and smooth. The bronchus-to-artery ratio is within normal limits.



PATIENT The lung parenchyma presents the expected architecture and attenuation behavior.

Jack Montano Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.

SPECIES **Abdomen**

Canine The serosal fat presents normal attenuation behavior. There is no evidence of peritoneal effusion or peritonitis.

BREED Both kidneys present within normal limits for size, shape and organ architecture. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

Havanese The adrenal glands are within normal limits for size, shape and organ architecture.

SEX Both liver and spleen present with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

MN The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.

AGE The position, delineation, wall and content of the gastrointestinal tract are considered within normal limits throughout.

7 Years

The bony and surrounding soft tissue structures reveal no abnormalities.

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COMPUTED TOMOGRAPHIC DIAGNOSIS

- Severe regional cellulitis in the left ventral neck and left retropharyngeal area with history of drainage and Penrose drain in place.
- Severe left medial retropharyngeal and submandibular lymphadenomegaly.
- Mild left axillary and cervical lymphadenomegaly.
- Areas of heterogeneously increased enhancement in the epaxial musculature of the neck.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

REFERRING VET

Van Nieuwal

The CT findings are compatible with the history of abscess drainage. Severe residual cellulitis is seen in the left ventral neck and extends into the left retropharyngeal area. The changes of the left retropharyngeal lymph node and submandibular lymph nodes support the presence of suppurative lymphadenitis or lymph node abscessation. Neoplasia with central tumoral necrosis is a lower potential but cannot be ruled out entirely.

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The multifocal myopathy in the epaxial musculature of the neck may be secondary to hematogenous spread of the presumed infection. Other myopathy including infectious, immune mediated, and metastatic due to undetermined primary tumor cannot be ruled out entirely. Muscle biopsies could be considered for further definition.

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BREED

Havanese

SEX

MN

AGE

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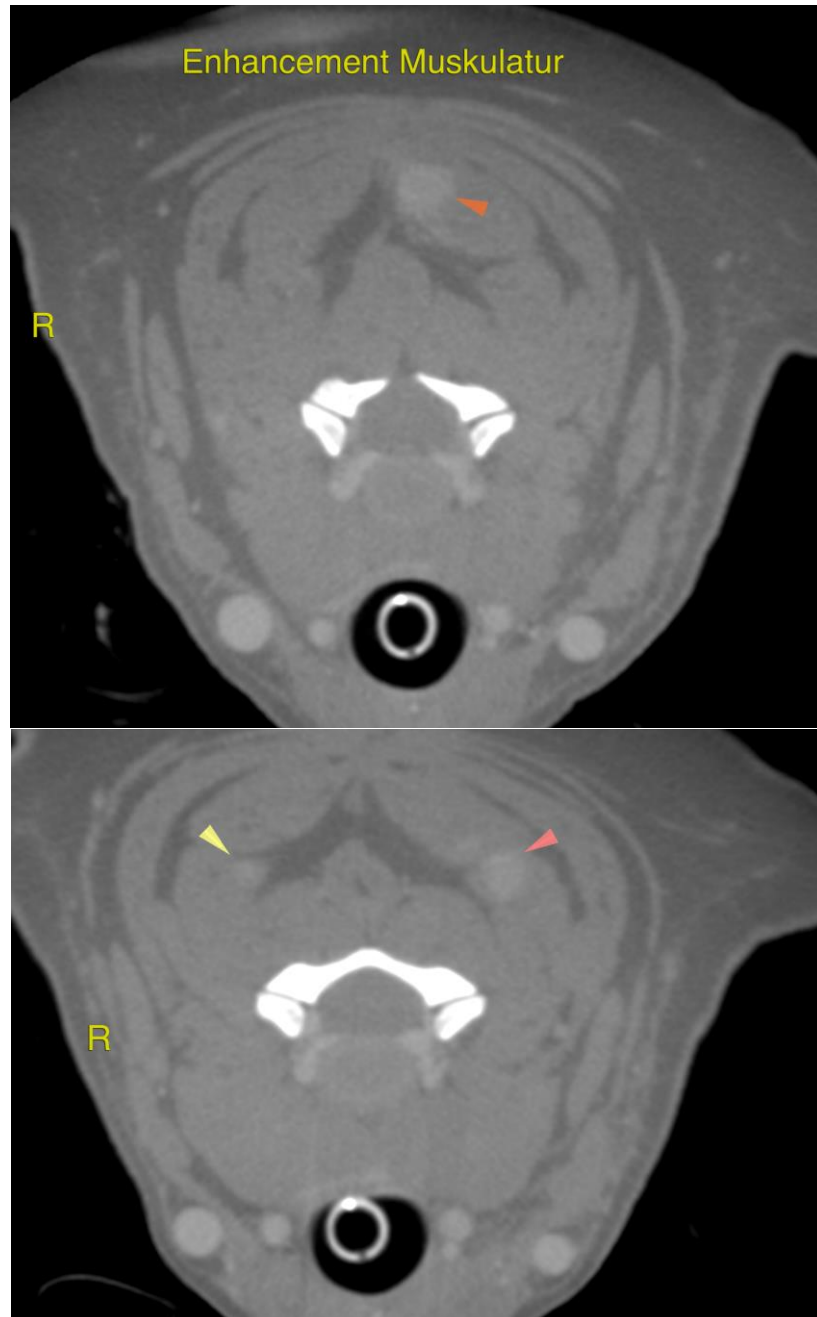
Van Nieuwal

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SPECIES

Canine

BREED

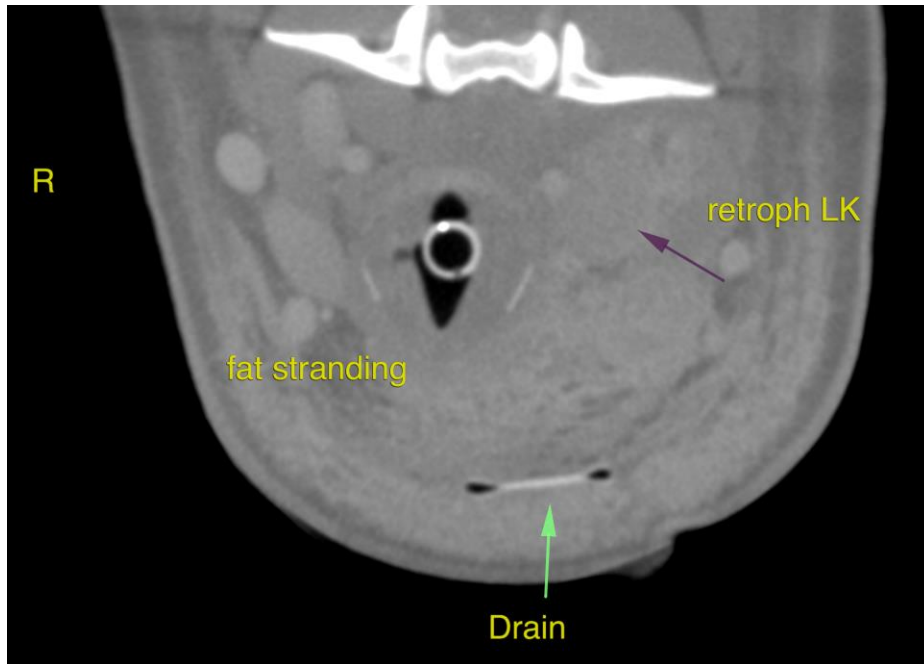
Havanese

SEX

MN

AGE

7 Years



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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

HOSPITAL NAME

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Hospital Volusia

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